

makita

AMERICA

Hammer Drill

12 mm (1/2")**MODEL HP1200**

Variable speed / Reversing

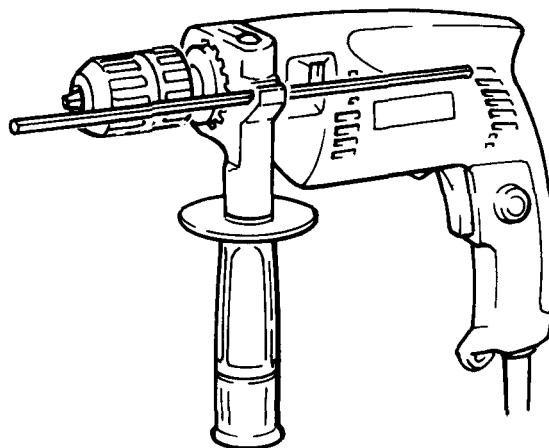
15 mm (9/16")**MODEL HP1501**

Variable speed / Reversing

15 mm (9/16")**MODEL HP1500**

Variable speed / Reversing

INSTRUCTION MANUAL

**DOUBLE
INSULATION**

SPECIFICATIONS

Model	Capacities			No load speed (RPM)	Blows per minute	Overall length	Net weight
	Metal	Wood	Concrete				
HP1200	10 mm (3/8")	25 mm (1")	12 mm (1/2")	0 - 2,800	0 - 44,800	290 mm (11-3/8")	1.6 kg (3.5 lbs)
HP1501 HP1500	13 mm (1/2")	25 mm (1")	15 mm (9/16")	0 - 2,800	0 - 44,800	299 mm (11-3/4")	1.7 kg (3.7 lbs)

* Manufacturer reserves the right to change specifications without notice.

* Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

- 1. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- 2. CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
- 3. KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
- 4. STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
- 5. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- 6. USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended; for example, don't use circular saw for cutting tree limbs or logs.
- 7. DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 8. USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
- 9. DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 10. SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 11. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 12. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- 13. DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

- 14. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 15. AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is OFF when plugging in.
- 16. EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

TABLE 1 MINIMUM GAGE FOR CORD SETS

		Total Length of Cord in Feet			
		0 - 25	26 - 50	51 - 100	101 - 150
Ampere Rating More Than	Not More Than	A W G			
		0 — 6	18	16	16
6 —	10	18	16	14	12
10 —	12	16	16	14	12
12 —	16	14	12	Not Recommended	

- 17. OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- 18. STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
- 19. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
- 20. GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
- 21. REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
- 22. POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in SERIOUS INJURY to the user — as well as damage to the tool. If in doubt, DO NOT PLUG IN THE TOOL. Using a power source with voltage less than the nameplate rating is harmful to the motor.

ADDITIONAL SAFETY RULES

1. Wear a hard hat (safety helmet), safety glasses and/or face shield. It is also highly recommended that you wear a dust mask, ear protectors and thickly padded gloves.
2. Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.
3. Always be sure you have a firm footing.
Be sure no one is below when using the tool in high locations.
4. Hold the tool firmly with both hands. Always use the side grip.
5. Keep hands away from rotating parts.
6. Do not leave the tool running. Operate the tool only when hand-held.
7. When drilling into walls, floors or wherever "live" electrical wires may be encountered, DO NOT TOUCH ANY METAL PARTS OF THE TOOL!
Hold the tool by the insulated grasping surfaces to prevent electric shock if you drill into a "live" wire.
8. Do not touch the bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.

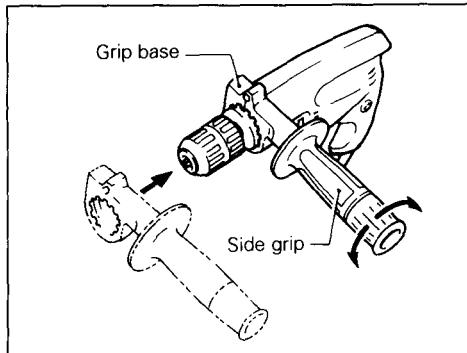
SAVE THESE INSTRUCTIONS.

CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the side grip, bit or other accessories.

Installing the side grip

Always install the side grip on the tool and hold the tool firmly with both hands during operation. The side grip swings around to either side, allowing easy handling of the tool in any position. Swing it to the desired position and secure it by turning clockwise.



NOTE:

The side grip cannot swing 360° when the depth gauge is installed.

Installing or removing driver bit or drill bit

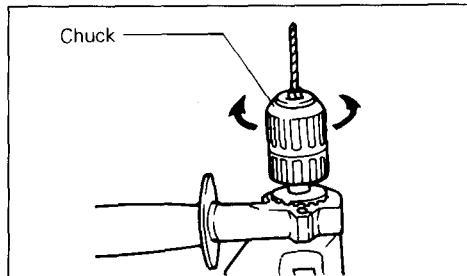
CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the bit.

For Model HP1501

Hold the ring and turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Hold the ring firmly and turn the sleeve clockwise to tighten the chuck.

To remove the bit, hold the ring and turn the sleeve counterclockwise.

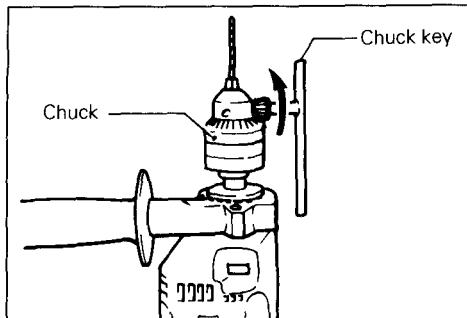


For Model HP1200 and HP1500

To install the bit, place it in the chuck as far as it will go. Tighten the chuck by hand. Place the chuck key in each of the three holes and tighten clockwise. Be sure to tighten all three chuck holes evenly.

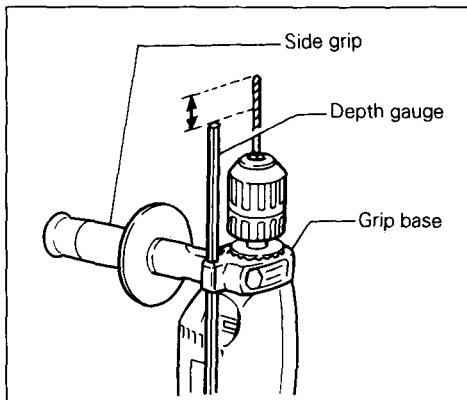
To remove the bit, turn the chuck key counterclockwise in just one hole, then loosen the chuck by hand.

After using the chuck key, be sure to return it to the original position.



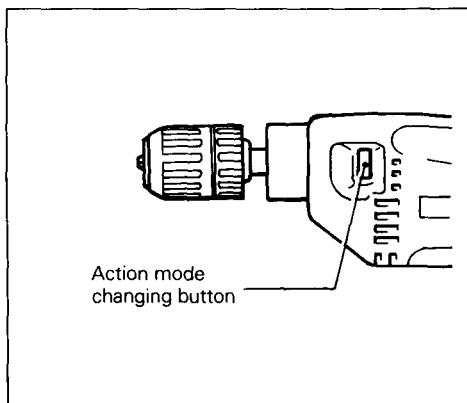
Depth gauge

The depth gauge is convenient for drilling holes of uniform depth. Loosen the side grip and insert the depth gauge into the hole in the side grip. Adjust the depth gauge to the desired depth and tighten the side grip.



Action mode

This tool employs the action mode changing buttons. For rotation only, press the button on the  mark side fully. For rotation with hammering, press the button on the  mark side fully.

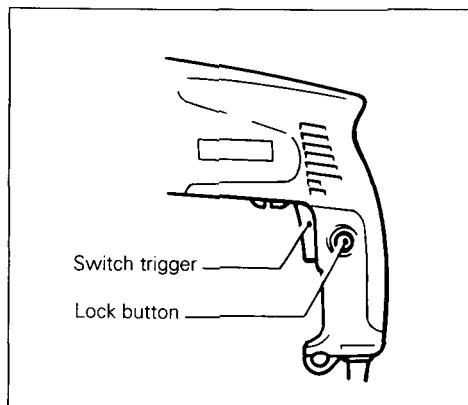


CAUTION:

Be sure to press the action mode changing button as far as it will go. Failure to do so may cause malfunction of the tool.

Switch action

To start the tool, simply pull the trigger. Tool speed is increased by increasing pressure on the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool while in the locked position, pull the trigger fully, then release it.

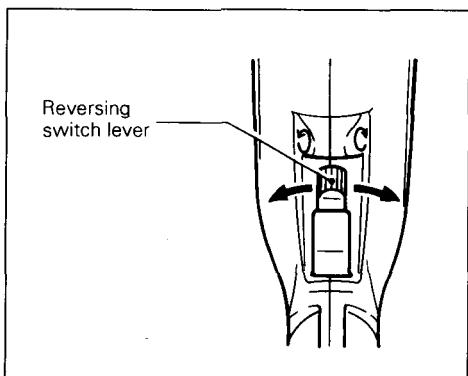


CAUTION:

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

Reversing switch

This tool has a reversing switch to change the direction of rotation. Move the reversing switch lever to the position for clockwise rotation or the position for counterclockwise rotation.



CAUTION:

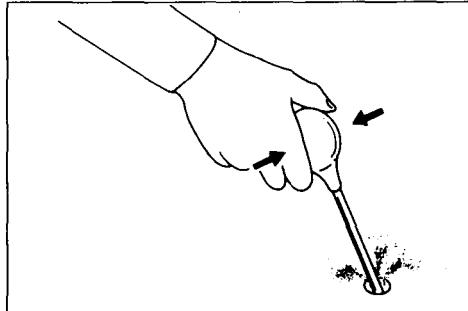
- Always check the direction of rotation before operation.
- Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.

Operation

1) Hammering drilling operation

When drilling in concrete, granite, tile, etc., press the button on the "P" mark side fully. Be sure to use a tungsten-carbide tipped bit. Do not apply more pressure when the hole becomes clogged with chips or particles. Instead, run the tool at an idle, then remove the bit partially from the hole. By repeating this several times, the hole will be cleaned out.

After drilling the hole, use the blow-out bulb to clean the dust out of the hole.



2) Drilling operation

When drilling in wood, metal or plastic materials, press the button on the "W" mark side fully.

- **Drilling in wood**

When drilling in wood, best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the work-piece.

- **Drilling in metal**

To prevent the bit from slipping when starting a hole, make an indentation with a centerpunch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling. Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

CAUTION:

- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.
- There is a tremendous twisting force exerted on the tool/bit at the time of hole break-through. Hold the tool firmly and exert care when the bit begins to break through the workpiece. Use both hands to help control the tool. Be sure to use the side grip to maintain proper control.
- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.
- Always secure small workpieces in a vise or similar hold-down device.

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Heavy duty masonry drill bit for percusion drill**



Part No.	Bit diameter	Shank dia.	Overall length
711120-A	3/16"	3/16"	4
711121-A	1/4"	1/4"	4
711122-A	1/4"	1/4"	6
711123-A	5/16"	1/4"	6
711124-A	3/8"	1/4"	6
711125-A	1/2"	3/8"	6
711126-A	5/8"	3/8"	6
711127-A	3/4"	3/8"	6
711128-A	1/4"	1/4"	13
711129-A	3/8"	1/4"	13
711130-A	1/2"	3/8"	13

- **Blow-out bulb**

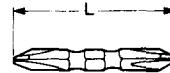
Part No. 765009-6



- **Bits**

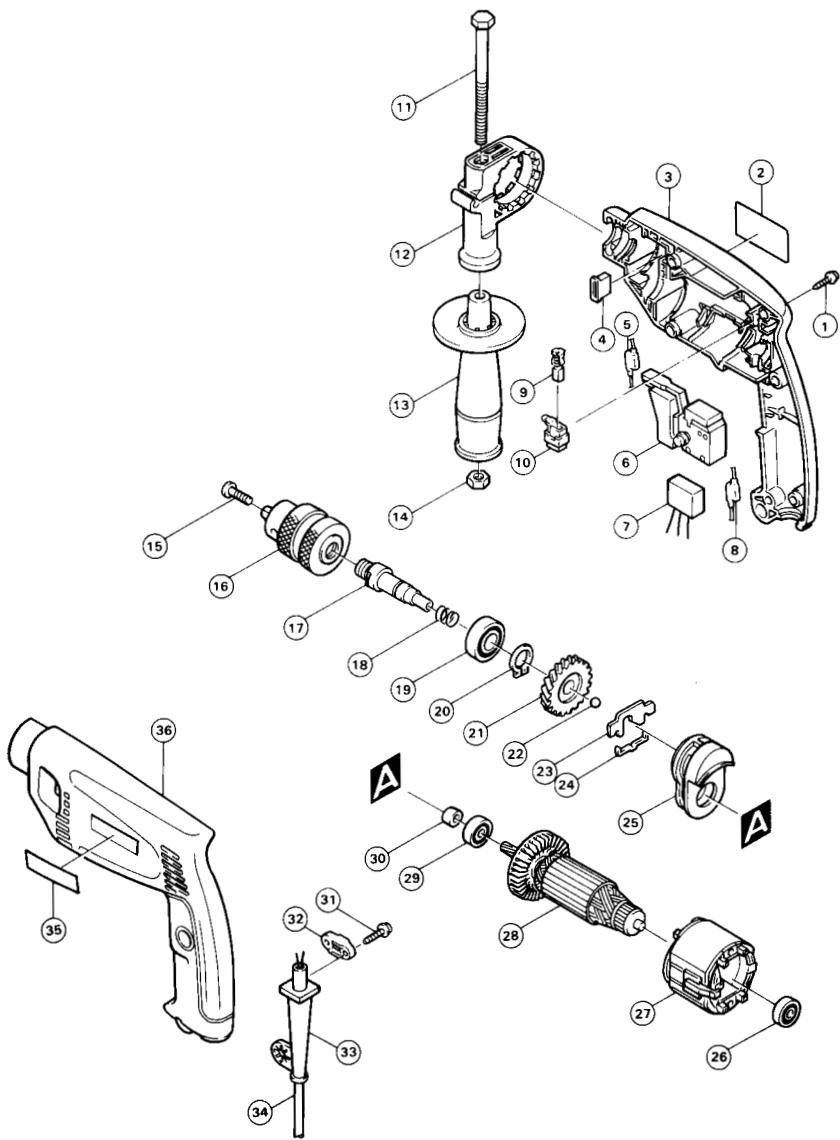
	Size	Part No.
Phillips	# 2	784214-0A
	# 3	784215-0A
Slotted	# 5F	784010-0A
	# 7F	784011-0A
Square drill bit		784606-0A

- **Phillips bit**



Part No.	Size	L (mm)
784201-5	No. 1	65 (2-5/8")
784202-3		45 (1-3/4")
784203-1		65 (2-5/8")
784206-5		110 (4-3/8")
784207-3		150 (5-7/8")

HAMMER DRILL
12 mm (1/2") Model HP1200
15 mm (9/16") Model HP1500

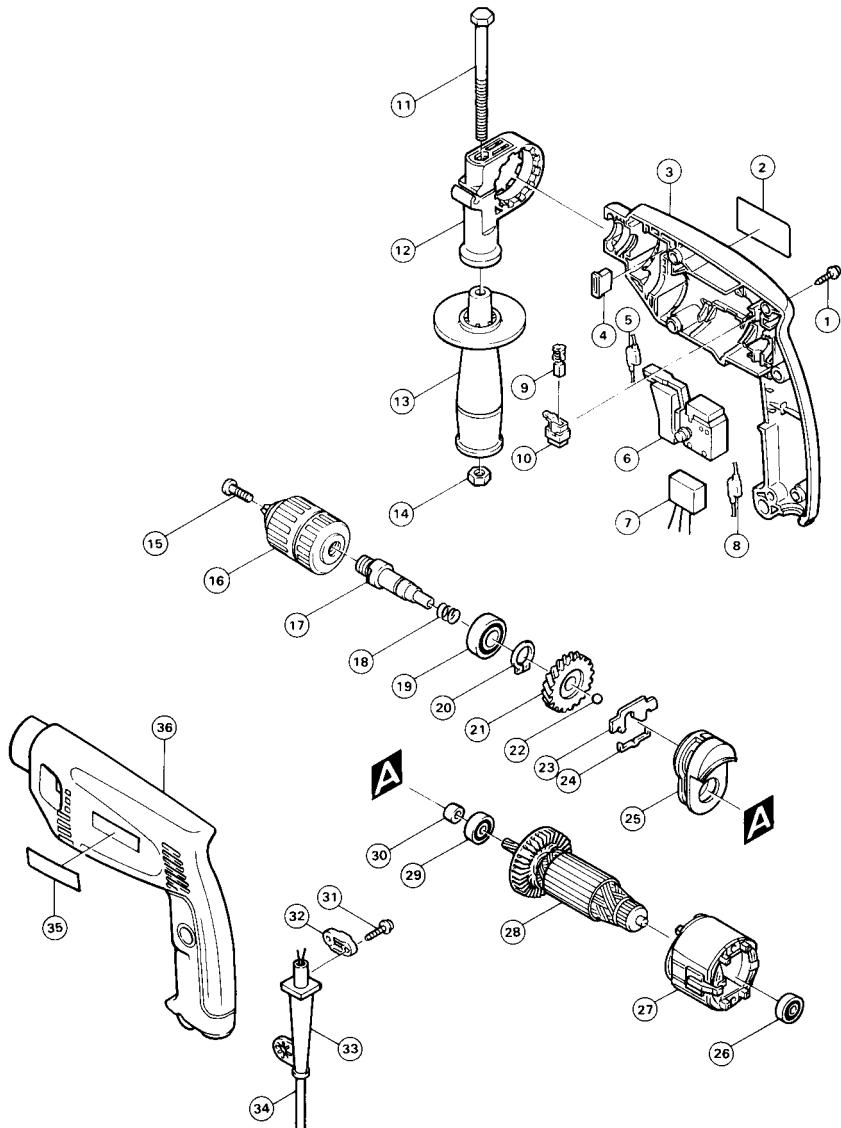


Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE					
1	8	Tapping Screw 4x18	19	1	Ball Bearing 6002LLB
2	1	Name Plate	20	1	Retaining Ring S-15
3	1	Housing Set (With Item 35 & 36)	21	1	Helical Gear 41
4	2	Change Button	22	1	Steel Ball 4.8
5	1	Choke Coil	23	1	Change Plate
6	1	Switch	24	1	Leaf Spring
8	1	Choke Coil	25	1	Cam Holder Complete
9	2	Carbon Brush	26	1	Ball Bearing 627LB
10	2	Brush Holder	27	1	Field
11	1	Hex. Bolt M8x10	28	1	ARMATURE ARMATURE (With Item 26 & 29)
12	1	Grip Base	29	1	Ball Bearing 608LB
13	1	Grip 36 Complete (With Item 14)	30	1	Sleeve 7
14	1	Hex Nut M8	31	2	Tapping Screw 4x18
15	1	Flat Head Screw M6x22	32	1	Strain Relief
16		Drill Chuck	33	1	Cord Guard
	1	S10 For Model HP1200	34	1	Cord
	1	S13 For Model HP1500	35	1	Makita Label
17	1	Spindle	36	1	Housing Set (With Item 3 & 35)
18	1	Compression Spring 16			

Note: The switch and other part specifications may differ from country to country.

15 mm (9/16'')
HAMMER DRILL
Model HP1501



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15	1	Flat Head Screw M6x22	33	1	Cord Guard
16	1	Keyless Drill Chuck S13	34	1	Cord
17	1	Spindle	35	1	Makita Label
18	1	Compression Spring 16	36	1	Housing Set (With Item 3 & 35)
19	1	Ball Bearing 6002LLB			

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.



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